

We claim:

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1. A radiation curable hot melt composition that can be cured by radiation only to a non-tacky coating, said composition comprising:
 - a) 20 to 100 wt.% of a radiation curable resin or a mixture of radiation curable resins having a viscosity in the range from 15 to 10,000 mPas in the temperature range from 40 to 150°C,
 - b) 0 to 50 wt.% of a hydroxyfunctional resin or oligomer or a mixture of hydroxyfunctional resins or oligomers,
 - c) 0 to 10 wt.% of a photoinitiator,
 - d) 0 to 50 wt.% of fillers and/or additives, and
 - e) 0 to 40 wt.% of pigment,wherein the total amount of components a) to e) adds up to 100 wt.%.
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 2. The radiation curable hot melt composition of claim 1, wherein the radiation curable resin or the mixture of radiation curable resins has a T_g below 0°C.
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 3. The radiation curable hot melt composition of claim 1, wherein the composition is a coating composition comprising a radiation curable resin or a mixture of radiation curable resins with a viscosity in the range from 15 to 4,000 mPas in the temperature range from 40 to 150°C.
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 4. The radiation curable hot melt composition of claim 1, wherein the composition is a putty composition comprising a radiation curable resin or a mixture of radiation curable resins with a viscosity in the range from 3,000 to 10,000 mPas in the temperature range from 40 to 150°C.
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 5. The radiation curable hot melt composition according to claim 1, wherein the composition comprises a polyesteracrylate resin.

$$\text{SUB } A_1 \Rightarrow$$

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10. The process according to claim 6, wherein the hot melt composition comprises a polyesteracrylate resin.

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